

Informe de ensayo n° 180-1/22

Conformidad con la legislación europea y nacional vigente [Reg. (UE) N° 10/2011 y modificaciones posteriores y DM IT 21.3.73 y modificaciones posteriores] de "muestras de contenedores isotérmicos OCEAN POLIBOX identificados como OCEAN NORMAL y OCEAN CRYSTAL".

MUESTRAS EXAMINADAS

Muestras procedentes de contenedores isotérmicos OCEAN POLIBOX identificados como OCEAN NORMAL y OCEAN CRYSTAL.

CONTROLES REALIZADOS

1. Migración global en simulantes acuosos de alimentos por inmersión total (LOQ: 1 mg/dm²)

Método: Reg. (UE) n° 10/2011 14/01/2011 DOUE L 12 15/01/2011 Reg. (UE) 2016/1416 24/08/2016 DOUE L 230/22 25/08/2016 Reg. (UE) 2020/1245 02/09/2020 DOUE L288 03/09/2020, UNI EN 1186-1:2003, UNI EN 1186-3:2003

CONDICIONES DE CONTACTO: 4,1 dm² en 300 mL de simulante

2. Migración global en simulantes alternativos al simulante D2 - aceite vegetal por inmersión total (LOQ: 1 mg/dm²) *.

Método: Reg. (UE) n° 10/2011 14/01/2011 DOUE L 12 15/01/2011 Reg. (UE) 2016/1416 24/08/2016 DOUE L 230/22 25/08/2016 Reg. (UE) 2020/1245 02/09/2020 DOUE L288 03/09/2020, UNI EN 1186-1:2003, UNI EN 1186-14:2003

CONDICIONES DE CONTACTO: 4,1 dm² en 300 mL de simulante

CONCLUSIONES

En base a los análisis reportados en la Sección RESULTADOS, la muestra "especímenes obtenidos de contenedores isotérmicos OCEAN POLYBOX identificados OCEAN NORMAL y OCEAN CRYSTAL" presenta un comportamiento acorde con la legislación nacional y europea vigente [DM 21.3.73 y posteriores actualizaciones y modificaciones y Reg. (UE) N. 10/2011 y posteriores actualizaciones y modificaciones], limitado a:

- Migración global de simulantes B
- Migración global de simulantes D1
- Simulante de migración global alternativo al D2 - isooctano tras un contacto de 2 horas a 70°C o equivalente (30 min a 40°C para el isooctano).



RESPONSABILE UFFICIO QUALITA'

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IL LEGALE RAPPRESENTANTE

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Azienda con sistema di gestione qualità

Azienda certificata
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ISO 14001:2015

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Test Report nr. 180-1/22

March, 15th 2022

LAB N° 1677 L

Test Report nr. 180-1/22

Date: March, 15th 2022

Subject: **Compliance with current European and national legislations [Reg. (EU) No. 10/2011 and subsequent updates and amendments and Ministerial Decree IT 21.3.73 and subsequent updates and amendments], of your "samples derived from isothermal container OCEAN POLIBOX labelled OCEAN NORMAL and OCEAN CRYSTAL".**

The tests were carried out by Pack Co. with own instruments.



CONCLUSIONS

On the basis of the results of the tests carried out, your "samples derived from isothermal container OCEAN POLIBOX labelled OCEAN NORMAL and OCEAN CRYSTAL" are, in relation to the European and national legislations in force [Reg. (EU) No. 10/2011 and subsequent updates and amendments and Ministerial Decree IT 21.3.73 and subsequent updates and amendments]

- **Compliant with global migration in simulants B**
- **Compliant with global migration in simulants D1**
- **Compliant with global migration in simulants alternative to D2-Isooctane**

after contact of 2 hours at 70°C or equivalent (30 mins at 40°C for the isooctane).

GENERAL DATA

- Sample receipt date:	February, 23 th 2022
- Acceptance date:	March, 1 st 2022
- Test start date:	March, 4 th 2022
- Test end date:	March, 15 th 2022

- Deviation from agreed test procedures:	NO
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SAMPLING

Sampling was carried out by the client.
Sampling not accredited by ACCREDIA.

DECLARATION

This Test Report concerns only the sample as received and cannot be partially reproduced, without prior written approval by this Laboratory.

The laboratory declines all responsibility for the information provided by the customer, reported in this Test Report, which may have an influence on the validity of the results.

LOD: Limit of Detection. It is the lowest concentration of analyte in the sample that can be detected but not necessarily quantified under well specified conditions.

LOQ: Limit of Quantification. It is the lowest concentration of analyte in the sample that can be detected with acceptable precision (repeatability) and accuracy under well specified conditions. Each result expressed as "<LOQ" does not indicate the absence of the parameter sought in the sample under examination.

U: Uncertainty of measurement. Unless otherwise specified, the declared measurement uncertainty is expressed as the expanded uncertainty associated with the measure with coverage factor $K = 2$ and at a confidence level of 95% or as a confidence interval calculated at a probability level of approximately 95%.

Unless otherwise specified, any declaration of conformity reported in the CONCLUSIONS section derives from the comparison of the results achieved with the mandatory limits taking into account the uncertainty of measurement.

(*): The tests marked with an asterisk * are not accredited by ACCREDIA

IDENTIFICATION OF THE EXAMINED SAMPLES

The following information in bold is provided by the customer:

Sample named: **samples derived from isothermal container OCEAN POLIBOX labelled OCEAN NORMAL and OCEAN CRYSTAL**

CONTROLLI ESEGUITI

1. Global migration in aqueous food simulants by total immersion (LOQ: 1 mg/dm²)

Method: Reg. (UE) n. 10/2011 14/01/2011 GUUE L 12 15/01/2011 + Reg. (EU) 2016/1416 24/08/2016 GUUE L 230/22 25/08/2016 + Reg. (EU) 2020/1245 02/09 / 2020 GUUE L288 03/09/2020 + UNI EN 1186-1: 2003 + UNI EN 1186-3: 2003

Simulant	Contact conditions	Contact mode
B - 3% acetic acid (w/v)	2 hours at 70 ° C	Total immersion
D1 - ethyl alcohol 50% (v/v)	2 hours at 70 ° C	Total immersion

CONTACT CONDITIONS: 4.1 dm² in 300 ml of simulant

2. Global migration in simulant alternative to D2-vegetable oil by total immersion (LOQ: 1 mg/dm²) *

Method: Reg. (UE) n. 10/2011 14/01/2011 GUUE L 12 15/01/2011 + Reg. (EU) 2016/1416 24/08/2016 GUUE L 230/22 25/08/2016 + Reg. (EU) 2020/1245 02/09 / 2020 GUUE L288 03/09/2020 + UNI EN 1186-1: 2003 + UNI EN 1186-14: 2003

Simulant	Contact conditions	Contact mode
Isooctane – alternative to D2	30 minutes at 40 ° C	Total immersion

CONTACT CONDITIONS: 4.1 dm² in 300 ml of simulant

RISULTATI

1. Global migration in aqueous food simulants by total immersion (LOQ: 1 mg/dm²)

samples derived from isothermal container OCEAN POLIBOX labelled OCEAN NORMAL and OCEAN CRYSTAL			
Simulant: B - 3% acetic acid (w/v)			
Contact conditions: 2 hours at 70°C			
Unit of measurement: mg/dm ² of material			
Determined value	Average value	Expanded Uncertainty (U)	Limit value
< 1	1.0	1.2	10±2
< 1			
1.1			

samples derived from isothermal container OCEAN POLIBOX labelled OCEAN NORMAL and OCEAN CRYSTAL			
Simulant: D1- ethyl alcohol 50% (v/v)			
Contact conditions: 2 hours at 70°C			
Unit of measurement: mg/dm ² of material			
Determined value	Average value	Expanded Uncertainty (U)	Limit value
1.1	1.2	1.2	10±2
1.2			
1.3			

2. Global migration in simulant alternative to D2-vegetable oil by total immersion (LOQ: 1 mg/dm²) *

samples derived from isothermal container OCEAN POLIBOX labelled OCEAN NORMAL and OCEAN CRYSTAL			
Simulant: alternative to D2 - isooctane			
Contact conditions: 30 minutes at 40°C			
Unit of measurement: mg/dm ² of material			
Determined value	Average value	Expanded Uncertainty (U)	Limit value
2.0	2.2	0.5	10±2
1.9			
2.8			

OPINIONS and INTERPRETATIONS – not object of ACCREDIA accreditation

There are not opinions or interpretations to be reported



Test Report nr. 180-1/22

LAB N° 1677 L

March, 15th 2022

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